

CLAIMS

Therefore, having thus described the invention, at least the following is claimed:

- 1 1. A support frame for an interactive display comprising:
2 a base element;
3 at least one support extending vertically from the base element; and
4 a positioning element housed within the at least one support, the
5 positioning element configured to receive the interactive display, wherein the
6 positioning element counterbalances the weight of the interactive display allowing
7 vertical repositioning of the interactive display with a force of less than about 25
8 pounds.
- 9 2. The support frame of claim 1, wherein vertical repositioning force ranges
10 from about 1.0 ounce to about 3 pounds.
- 11 3. The support frame of claim 1, further comprising a plurality of mobile
12 elements mounted on the base element.
- 1 4. The support frame of claim 1, wherein the vertical positioning element
2 comprises a hydraulic or pneumatic device.
- 1 5. The support frame of claim 4, wherein the hydraulic or pneumatic device
2 comprises a gas spring.
- 1 6. The support frame of claim 1, further comprising an interactive display
2 mounted thereon.
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- 1 7. The support frame of claim 1, further comprising a plurality of vertical
2 supports.

1 8. The support frame of claim 7, wherein at least one horizontal support
2 connects at least two of the plurality of vertical supports.

1 9. The support frame of claim 6, wherein the interactive display is selected
2 from the group consisting of an electronic whiteboard, a touch-sensitive display, rear-
3 projection display, laser tracking display, sonic tracking display, optical capture display,
4 television, plasma display, LCDs, and displays which use oil-filled capsules in which
5 particles of titanium dioxide are suspended.

1 10. The support frame of claim 1, further comprising a power source secured
2 to the support frame.

1 11. The support frame of claim 10, wherein the power source is rechargeable.

1 12. The support frame of claim 10, wherein the power source comprises a
2 battery.

1 13. The support frame of claim 12, wherein the battery is rechargeable.

1 14. The support frame of claim 11, wherein the power source includes a
2 recharger.

1 15. The support frame of claim 10, wherein the power source includes a power
2 cord for recharging.

4 16. The support frame of claim 10, wherein the power supply includes a
5 power level indicator.

6 17. The support frame of claim 16, wherein the power level indicator is
7 positioned to be viewed from the front of the support frame.

1 18. A support frame for an interactive display comprising:
2 a base element;
3 a support extending vertically from the base element configured to receive
4 an interactive display; and
5 a power source affixed to the support frame for powering the interactive
6 display.

1 19. The support frame of claim 18, further comprising a plurality of mobile
2 elements mounted on the base element.

1 20. The support frame of claim 18, wherein the support comprises a vertical
2 positioning element.

1 21. The support frame of claim 20, wherein the vertical positioning element
2 provides sufficient force to counterbalance the weight of the interactive display.

1 22. The support frame of claim 21, wherein a vertical force of less than about
2 25 pounds repositions the interactive display.

1 23. The support frame of claim 21, wherein a vertical force of about 1.0 ounce
2 to about 3 pounds repositions the interactive display.

1 24. The support frame of claim 21, wherein the vertical positioning element
2 comprises a hydraulic or pneumatic device.

1 25. The support frame of claim 18, further comprising an interactive display.

1 26. The support frame of claim 18, further comprising a plurality of vertical
2 supports.

1 27. The support frame of claim 26, wherein at least one horizontal support
2 connects at least two of the plurality of vertical supports.

1 28. The support frame of claim 18, wherein the power source is rechargeable.

1 29. The support frame of claim 18, wherein the power source comprises a
2 battery.

1 30. The support frame of claim 29, wherein the battery is rechargeable.

1 31. The support frame of claim 18, wherein the power source includes a
2 recharger.

1 32. The support frame of claim 18, wherein the power source includes a power
2 cord for recharging.

1 33. The support frame of claim 25, wherein the interactive display is selected
2 from the group consisting of an electronic whiteboard, a touch-sensitive display, rear-
3 projection display, laser tracking display, sonic tracking display, optical capture display,
4 televisions, plasma display, LCDs, and displays which use oil-filled capsules in which
5 particles of titanium dioxide are suspended.

1 34. An interactive display system comprising:
2 an interactive display mounted onto a support frame, the support frame
3 comprising:

4 a base;

5 a positioning element extending vertically from the base
6 configured to receive the interactive display; and

7 a power source affixed to the base or support for powering the
8 interactive display.

1 35. The interactive display system of claim 34, further comprising a plurality
2 of mobile elements mounted on the base.

1 36. The interactive display system of claim 34, wherein the positioning
2 element provides sufficient force to counterbalance the weight of the interactive display
3 and allow vertical repositioning of the interactive display.

1 37. The interactive display system of claim 36, wherein the interactive display
2 is repositioned with less than about 25 pounds of force.

1 38. The interactive display system of claim 36, wherein the interactive display
2 is repositioned with about 1.0 ounces to about 3 pounds of force.

1 39. The interactive display of claim 34, wherein the positioning element
2 comprises a hydraulic or pneumatic piston.

1 40. The interactive display of claim 34, wherein the interactive display is
2 selected from the group consisting of an electronic whiteboard, a touch-sensitive display,
3 rear-projection display, laser tracking display, sonic tracking display, optical capture
4 display, televisions, plasma display, LCDs, and displays which use oil-filled capsules in
5 which particles of titanium dioxide are suspended.

1 41. The interactive display system of claim 34, further comprising a projector
2 for projecting an image onto a surface of the interactive display.

1 42. The interactive display system of claim 41, wherein the surface is a touch-
2 sensitive surface.

1 43. The interactive display system of claim 34, further comprising a computer
2 in communication with the interactive display.

1 44. The interactive display system of claim 34, wherein the power source is
2 rechargeable.

1 45. The interactive display system of claim 34, wherein the power source
2 comprises a battery.

1 46. The interactive display system of claim 45, wherein the battery is
2 rechargeable.

1 47. The interactive display system of claim 34, wherein the power source
2 includes a recharger.

1 48. The interactive display system of claim 34, wherein the power source
2 includes a power cord for recharging.

1 49. A support frame for a interactive display comprising:
2 a base having positionable first and second arms;
3 mobile elements mounted to the first and second arms; and
4 a vertically adjustable support extending from the base configured to
5 receive an interactive display.

1 50. The support frame of claim 49, wherein the first and second arms of the
2 base element collapse towards the support.

1 51. The support frame of claim 49, further comprising a power source
2 mounted to the support frame.

1 52. The support frame of claim 51, wherein the power source is rechargeable.

1 53. The support frame of claim 51, wherein the power source comprises a
2 battery.

1 54. The support frame of claim 53, wherein the battery is rechargeable.

1 55. The support frame of claim 51, wherein the power source includes a
2 recharger.

1 56. The support frame of claim 51, wherein the power source includes a power
2 cord for recharging.

1 57. The support frame of claim 49, wherein the vertically adjustable support
2 provides sufficient force to counterbalance the weight of the interactive display and allow
3 repositioning of the interactive display.

1 58. The support frame of claim 57, wherein interactive display is repositioned
2 with less than about 25 pounds of force.

1 59. The support frame of claim 57, wherein the interactive display is
2 repositioned with about 1.0 ounce to about 3 pounds of force.

1 60. The support frame of claim 49, wherein the adjustable vertical support
2 comprises a hydraulic or pneumatic piston.

1 61. The support frame of claim 49, wherein the interactive display is selected
2 from the group consisting of an electronic whiteboard, a touch-sensitive display, rear-
3 projection display, laser tracking display, sonic tracking display, optical capture display,
4 televisions, plasma display, LCDs, and displays which use oil-filled capsules in which
5 particles of titanium dioxide are suspended.

1 62. An electronic whiteboard system comprising:
2 a electronic whiteboard having a wireless communication device, wherein
3 the electronic whiteboard is mounted on a mobile support frame, the mobile support
4 frame comprising:

5 a wheeled base element; and
6 a pneumatic or hydraulic positioning element extending vertically
7 from the base element configured to receive the electronic whiteboard and provide
8 sufficient force to counterbalance the weight of the electronic whiteboard to maintain the
9 electronic whiteboard at a desired vertical position.

1 63. The electronic whiteboard system of claim 62, further comprising a power
2 source affixed to the support frame for powering the electronic whiteboard.

1 64. The electronic whiteboard system of claim 63, wherein the power source is
2 rechargeable.

1 65. The electronic whiteboard system of claim 63, wherein the power source
2 comprises a battery.

1 66. The electronic whiteboard system of claim 65, wherein the battery is
2 rechargeable.

1 67. The electronic whiteboard system of claim 63, wherein the power source
2 includes a recharger.

1 68. The electronic whiteboard system of claim 62, further comprising a
2 projector for projecting an image on a touch-sensitive surface of the electronic
3 whiteboard.

1 69. The electronic whiteboard system of claim 62, wherein the positioning
2 element is housed within a vertical support.

1 70. A support stand comprising:
2 a base element;
3 at least one support extending vertically from the base element; and
4 a positioning means configured to receive an interactive display, wherein the positioning
5 means counterbalances the weight of the interactive display allowing vertical
6 repositioning of the touch-sensitive display with a force of less than about 25 pounds.

1 71. The support stand of claim 70, wherein the interactive display is selected
2 from the group consisting of an electronic whiteboard, a touch-sensitive display, rear-
3 projection display, laser tracking display, sonic tracking display, optical capture display,
4 televisions, plasma display, LCDs, and displays which use oil-filled capsules in which
5 particles of titanium dioxide are suspended.

1 72. The support stand of claim 70, further comprising a rechargeable means
2 for supplying power to the interactive display.
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